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PTO/SB/51 (02-01)  
Approved for use through 01/31/2004. OMB 0651-0033  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)  
153501-0357

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,903,116 granted May 11, 1999, and for which a reissue patent is sought on the invention entitled Turbogenerator/Motor Controller

the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

The issued patent claims a method of controlling a permanent magnet turbogenerator/motor comprising the steps of providing electrical power to the permanent magnet turbogenerator/motor through a pulse width modulated inverter to start the permanent magnet turbogenerator/motor to achieve self sustaining operation of the permanent magnet turbogenerator/motor; disconnecting the electrical power from the pulse width modulated inverter once self sustaining operation of the permanent magnet turbogenerator/motor is achieved; and reconfiguring the pulse width modulated inverter to supply voltage from the permanent magnet turbogenerator/motor. In contrast, the present reissue application includes claims directed to a method of controlling a system including a motor/generator rotationally coupled to a turbine engine, the method comprising connecting a controller to the motor/generator for applying power to the motor/generator at varying voltage and varying frequency to adjust the speed of the motor/generator, connecting the controller to the turbine engine to control fuel flow to the turbine engine, operating the controller to apply power to the motor/generator to accelerate the turbine engine to a predetermined speed, initiating combustion in the turbine engine at the predetermined speed, and operating the controller to apply power to the motor/generator to adjust the speed of the motor/generator after initiating combustion in the turbine engine.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)**

Docket Number (Optional)  
153501-0357

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

| Name(s)           | Registration Number |
|-------------------|---------------------|
| Robert Popa       | 43,010              |
| Paul Backofen     | 42,278              |
| Norman E. Brunell | 26,533              |
| Raj Sardesai      | 39,825              |

Correspondence Address: Direct all communications about the application to:

☐ Customer Number  → Place Customer Number Bar Code Label here

Type Customer Number here


|   |                          |       |              |     |       |
|---|--------------------------|-------|--------------|-----|-------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Irell & Manella, LLP     |       |              |     |       |
| Address   | 1800 Avenue of the Stars |       |              |     |       |
| Address   | Suite 900                |       |              |     |       |
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| Country   | USA                      |       |              |     |       |
| Telephone   | 310/277-1010             | Fax   | 310/203-7199 |     |       |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)  
Everett R. Geis

|   |                |
|---|----------------|
| Inventor's signature                                      | Date           |
| Residence Orange, California                              | Citizenship US |
| Mailing Address 7536 East Twinleaf Trail, Orange CA 92869 |                |

Full name of second joint inventor (given name, family name)  
Brian W. Peticolos

|  |                |
|--|----------------|
| Inventor's signature  | Date 9-10-2001 |
| Residence Redondo Beach, California  | Citizenship US |
| Mailing Address 545 Avenue B, Redondo Beach CA 90277   |                |

Full name of third joint inventor (given name, family name)

|                      |             |
|----------------------|-------------|
| Inventor's signature | Date        |
| Residence            | Citizenship |
| Mailing Address      |             |

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

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## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

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153501-0357

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Name(s)

Registration Number

Robert Popa 43,010

Paul Backofen 42,278

Norman E. Brunell 26,533

Raj Sardesai 39,825

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

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| <input checked="" type="checkbox"/> Firm or Individual Name   | Irell & Manella, LLP     |             |              |     |       |
| Address   | 1800 Avenue of the Stars |             |              |     |       |
| Address   | Suite 900                |             |              |     |       |
| City  | Los Angeles              | State       | CA           | Zip | 90067 |
| Country   | USA                      |             |              |     |       |
| Telephone   | 310/277-1010             | Fax         | 310/203-7199 |     |       |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed. |                          |             |              |     |       |
| Full name of sole or first inventor (given name, family name)<br>Everett R. Geis  |                          |             |              |     |       |
| Inventor's signature  |                          | Date        |              |     |       |
| Residence   |                          | Citizenship |              |     |       |
| Mailing Address   |                          |             |              |     |       |
| Full name of second joint inventor (given name, family name)<br>Brian W. Peticolas  |                          |             |              |     |       |
| Inventor's signature  |                          | Date        |              |     |       |
| Residence   |                          | Citizenship |              |     |       |
| Mailing Address   |                          |             |              |     |       |
| Full name of third joint inventor (given name, family name)   |                          |             |              |     |       |
| Inventor's signature  |                          | Date        |              |     |       |
| Residence   |                          | Citizenship |              |     |       |
| Mailing Address   |                          |             |              |     |       |
| <input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.  |                          |             |              |     |       |